# Tennessee Comprehensive Assessment Program



## Math EOC Item Release Geometry







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Item Information			
Item Code:	TN239421		Grade Level: Geometry
Standard Code:	G.CO.A.2		Position No: 1
Standard Text:	Represent transformations in the plane in multiple ways, including technology. Describe transformations as functions that take points in the plane (pre-image) as inputs and give other points (image) as outputs. Compare transformations that preserve distance and angle measure to those that do not (e.g., translation versus horizontal stretch).		
Reporting Category:	1: Congruence		
Calculator:	Z		
Correct Answer:	В	DOK Level: 2	Item Type: O

#### **Metadata Definitions**

Item Code: Unique letter item.	<b>Grade Level:</b> Grade level or Course.	
Standard Code: Primary	educational standard assessed.	<b>Position No:</b> Position of the item in the PDF.
Standard Text: Text of t	he educational standard assessed.	
Reporting Category: Tex	xt of the Reporting Category the standa	ard assesses.
<b>Calculator:</b> Indicates if u $N =$ calculator is not allow	sage of a calculator is allowed. $Y = calculator$ , $Z = calculator may be allowed.$	culator is allowed,
Correct Answer: Correct answer. This may be blank for constructed response items where students write or type their responses.DOK Level: (if listed): Depth of Knowledge (cognitive complexity) is measured on a three-point scale. 1= Recall or simple reproduction of information; 2= Skills and concepts: comprehension and processing of text; 3= Strategic thinking, prediction, elaboration.		<b>Item Type:</b> Indicates administered usage. O = Operational.

Item Information			
Item Code:	TN239421	Grade	e Level: Geometry
Standard Code:	G.CO.A.2	Posit	tion No: 1
Standard Text:	Represent transformations in the Describe transformations as func- inputs and give other points (ima preserve distance and angle me horizontal stretch).	e plane in multiple ways, inc ctions that take points in the ge) as outputs. Compare tr asure to those that do not (	cluding technology. e plane (pre-image) as ransformations that fe.g., translation versus
Reporting Category:	1: Congruence		
Calculator:	Z		
Correct Answer:	B DOK Level:	2 Iter	n Type: O

Triangle *ABC* has vertices A(-3, 3), B(2, 4), and C(-2, 2) and is translated according to the rule  $(x, y) \rightarrow (x + 2, y - 4)$ .

What are the coordinates of the vertices of the translated figure?

- **A.** *A*′(−7, 5), *B*′(−2, 6), and *C*′(−6, 4)
- **B.** *A*′(−1, −1), *B*′(4, 0), and *C*′(0, −2)
- **C.** A'(-5,7), B'(0,8), and C'(-4,6)
- **D.** A'(-1, -1), B'(6, -2), and C'(4, -6)

Item Information			
Item Code:	TN710213	(	Grade Level: Geometry
Standard Code:	G.CO.A.5		Position No: 2
Standard Text:	Given a geometric figure and a multiple ways, including technol carry a given figure onto anothe	rigid motion, draw the in ogy. Specify a sequenc r.	mage of the figure in ce of rigid motions that will
Reporting Category:	1: Congruence		
Calculator:	Z		
Correct Answer:	C DOK Leve	: 2	Item Type: O

 $\triangle ABC$  is rotated 180° counter clockwise about the origin to produce  $\triangle A'B'C'$ .



What are the coordinates of  $\triangle A'B'C'$ ?

- **A.** A'(2, 1), B'(1, 1), and C'(1, 3)
- **B.** A'(-2, 1), B'(-1, 1), and C'(1, -3)
- **C.** A'(2, -1), B'(1, -1), and C'(1, -3)
- **D.** A'(-1, -2), B'(-1, -1), and C'(-3, -1)

Item Information			
Item Code:	TN910140		Grade Level: Geometry
Standard Code:	G.CO.B.6		Position No: 3
Standard Text:	Use geometric descriptions of rigid motions to transform figures and to predict the effect of a given rigid motion on a given figure; given two figures, use the definition of congruence in terms of rigid motions to determine informally if they are congruent.		
Reporting Category:	1: Congruence		
Calculator:	Z		
Correct Answer:	B,E	DOK Level: 2	Item Type: O

Consider the line segment defined by the points A(0, 1) and B(4, 6). How does a reflection across the *x*-axis affect  $\overline{AB}$ ?

- **A.** The *x*-values of the reflection are the opposite values of the *x*-values of the original segment.
- **B.** The *y*-values of the endpoints become their opposites.
- **C.** The length of the reflection of *AB* is greater than the length of *AB*.
- **D.** The length of the reflection of *AB* is less than the length of *AB*.
- **E.** The length of the reflection of  $\overline{AB}$  is the same as the length of AB.

Item Information			
Item Code:	TN710390	Grade Leve	: Geometry
Standard Code:	G.CO.B.7	Position No	: 4
Standard Text:	Use the definition of congruence in terms of rigid motions to show that two triangles are congruent if and only if corresponding pairs of sides and corresponding pairs of angles are congruent.		
Reporting Category:	1: Congruence		
Calculator:	Z		
Correct Answer:	D DOK Level:	2 Item Type	: O

#### Which transformation proves $\triangle ABC \cong \triangle DEF$ ?



- **A.** reflection of  $\triangle ABC$  over the line y = x
- **B.** translation of  $\triangle ABC$  7 units right and 9 units down
- **C.** rotation of  $\triangle ABC$  90° clockwise, centered at the origin
- **D.** reflection of  $\triangle ABC$  over the *y*-axis and then over the *x*-axis

Item Information				
Item Code:	TN441970		Grade Level:	Geometry
Standard Code:	G.CO.C.11		Position No:	5
Standard Text:	Prove theorems abo	out parallelograms.		
Reporting Category:	1: Congruence			
Calculator:	Z			
Correct Answer:	A,D,E	DOK Level: 2	Item Type:	0

A partial proof that the opposite angles of a parallelogram are congruent is shown.



Given: Quadrilateral *ABCD* is a parallelogram Prove:  $\angle A \cong \angle C$ 

Statements	Reasons
1. Quadrilateral <i>ABCD</i> is a parallelogram	1. Given
2. $\overline{BC}  \overline{AD}, \overline{AB}  \overline{DC} $	2.
3. ∠A and ∠B are supplementary; ∠B and ∠C are supplementary	3.
4. ∠A and ∠C are congruent	4.

(This item continues on the next page.)

#### (Item 5, continued from the previous page)

Which reasons are missing from the proof?

- **A.** Definition of parallelogram
- **B.** Definition of parallel lines
- **C.** When parallel lines are cut by a transversal, corresponding angles are congruent.
- **D.** When parallel lines are cut by a transversal, consecutive interior angles are supplementary.
- **E.** Angles supplementary to the same angle are congruent to each other.
- **F.** Angles supplementary to the same angle are supplementary to each other.

Item Information		
Item Code:	TN841784	Grade Level: Geometry
Standard Code:	G.CO.C.9	Position No: 6
Standard Text:	Prove theorems about lines and angles.	
Reporting Category:	1: Congruence	
Calculator:	Z	
Correct Answer:	C DOK Level: 2	Item Type: O

The steps of a proof are shown.

Given: <i>a</i>    <i>b,</i> ∠1 Prove: ∠2 ≅ ∠3	. ≅ ∠4 3	1 2 3	14	→a →b
	Ste	os		
	1. a  b, ∠:	1 ≅ ∠4		
	2.∠1 ≅ ∠	2		
	3.∠2 ≅ ∠	4		
	4.∠4 ≅ ∠	3		
	5.∠2 ≅ ∠	3		

What is the reason for Step 4?

- A. Given
- **B.** Alternate Interior Angle Theorem
- **C.** Alternate Exterior Angle Theorem
- **D.** Transitive Property of Congruence

Item Information			
Item Code:	TN110412		Grade Level: Geometry
Standard Code:	G.C.A.2		Position No: 7
Standard Text:	Identify and describe	e relationships among inscribed a	angles, radii, and chords.
Reporting Category:	2: Triangles and Cire	cles	
Calculator:	Z		
Correct Answer:	D	DOK Level: 1	Item Type: O

In the circle shown,  $\overline{AB}$  is tangent to circle O at point C and  $\overline{OC}$  is a radius.



Which relationship is true?

- **A.**  $\angle COB \cong \angle CBO$
- **B.**  $\angle COB \cong \angle ACO$
- **C.**  $\overline{OB} \perp \overline{OC}$
- **D.**  $\overline{OC} \perp \overline{AB}$

Item Information			
Item Code:	TN810446		Grade Level: Geometry
Standard Code:	G.C.A.2		Position No: 8
Standard Text:	Identify and describ	e relationships among inscribed a	angles, radii, and chords.
Reporting Category:	2: Triangles and Cire	cles	
Calculator:	Z		
Correct Answer:	А	DOK Level: 1	Item Type: O

Which statement about angles of a circle is true?

- **A.** An angle inscribed in a semicircle is a right angle.
- **B.** A central angle has one half the measure of the arc it subtends.
- **C.** An inscribed angle has the same measure as the arc it subtends.
- **D.** An inscribed angle in which one of the sides is a diameter is obtuse.

Item Information					
Item Code:	TN845778			Grade Level:	Geometry
Standard Code:	G.GPE.A.1			Position No:	9
Standard Text:	Know and write the	equation of a	circle of given cente	er and radius ι	using the
		-			
Reporting Category:	2: Triangles and Circ	cles			
Calculator:	Z				
Correct Answer:	D	DOK Level:	2	Item Type:	0

Jamal is asked to draw a circle. He is given the center and two points on the circle, but he isn't told which point is which. The points are (-4, 7), (3, 6), and (-1, 3). Jamal draws the accurate circle from this information.

What is the equation of the circle he draws?

**A.** 
$$(x+4)^2 + (y-7)^2 = 50$$

**B.** 
$$(x-3)^2 + (y-6)^2 = 50$$

**C.** 
$$(x-3)^2 + (y-6)^2 = 25$$

**D.** 
$$(x+1)^2 + (y-3)^2 = 25$$

Item Information			
Item Code:	TN543001		Grade Level: Geometry
Standard Code:	G.SRT.A.1		Position No: 10
Standard Text:	Verify informally the	properties of dilations given by a	center and a scale factor.
Reporting Category:	2: Triangles and Cire	cles	
Calculator:	Z		
Correct Answer:	A,D,F	DOK Level: 2	Item Type: O

On a coordinate plane, consider the transformation of dilating a line by a factor of 3, with the point (0, 8) as the center of dilation. Which line remains unchanged under the transformation?

- **A.** The line y = -3x + 8
- **B.** The line y = 3(x 8)
- **C.** The line y = 3(x + 8)
- **D.** The line y = 3x + 8
- **E.** The line y = 4(x 8)
- **F.** The line y = 4x + 8

Item Information			
Item Code:	TN943007	Grade Level:	Geometry
Standard Code:	G.SRT.A.1	Position No:	11
Standard Text:	Verify informally the properties of	dilations given by a center and a	scale factor.
Reporting Category:	2: Triangles and Circles		
Calculator:	Z		
Correct Answer:	A DOK Level:	2 Item Type:	0

On a coordinate plane, the segment with endpoints (10, 40) and (70, 120) is dilated by a factor of  $\frac{4}{5}$ , with the origin as the center of dilation. What is the length of the resulting segment?

- **A.** 80
- **B.** 100
- **C.** 112
- **D.** 125

Item Information					
Item Code:	TN341656	G	rade Level: Geometry	/	
Standard Code:	G.SRT.A.2	F	Position No: 12		
Standard Text:	Given two figures, use the definition of similarity in terms of similarity transformations to decide if they are similar; explain using similarity transformations the meaning of similarity for triangles as the equality of all corresponding pairs of angles and the proportionality of all corresponding pairs of sides				
Reporting Category:	2: Triangles and Circles				
Calculator:	Z				
Correct Answer:	B DOK Level:	2	Item Type: O		

What sequence of transformations can be used to prove that  $\triangle ABC \sim \triangle DEF$ ?





#### Geometry

#### (Item 12, continued from the previous page)

- **A.** Dilate  $\triangle ABC$  with respect to the origin using a scale factor of  $\frac{1}{3}$ . Then reflect the result over the *y*-axis.
- **B.** Dilate  $\triangle ABC$  with respect to the origin using a scale factor of  $\frac{1}{2}$ . Then reflect the result over the *y*-axis.
- **C.** Dilate  $\triangle ABC$  with respect to the origin using a scale factor of  $\frac{1}{3}$ . Then reflect the result over the *x*-axis.
- **D.** Dilate  $\triangle ABC$  with respect to the origin using a scale factor of  $\frac{1}{2}$ . Then reflect the result over the *x*-axis.

Item Information					
Item Code:	TN543078		Grade Level: Geometry		
Standard Code:	G.SRT.A.2		Position No: 13		
Standard Text:	Given two figures, use the definition of similarity in terms of similarity transformations to decide if they are similar; explain using similarity transformations the meaning of similarity for triangles as the equality of all corresponding pairs of angles and the proportionality of all corresponding pairs of sides.				
Reporting Category:	2: Triangles and Circ	cles			
Calculator:	Z				
Correct Answer:	D	DOK Level: 2	Item Type: O		

On a coordinate plane,  $\triangle ABC$  has vertices at A(10, 5), B(10, 15), and C(5, 5).  $\triangle A'B'C'$  has vertices at A'(30, 12), B'(30, 52), and C'(10, 12). Which transformation maps  $\triangle ABC$  onto  $\triangle A'B'C'$ ?

- **A.**  $(x, y) \rightarrow (3x, 3y + 3)$
- **B.**  $(x, y) \rightarrow (3x, 3y 3)$
- **C.**  $(x, y) \rightarrow (4x + 10, 4y + 8)$
- **D.**  $(x, y) \rightarrow (4x 10, 4y 8)$

Item Information				
Item Code:	TN044272		Grade Level:	Geometry
Standard Code:	G.SRT.A.3		Position No:	14
Standard Text:	Use the properties of triangles to be similar	of similarity transformations to est ar.	tablish the AA	criterion for two
Reporting Category:	2: Triangles and Cir	cles		
Calculator:	Z			
Correct Answer:	B,C,D	DOK Level: 3	Item Type:	0

In the diagram shown,  $\overline{AB} \parallel \overline{DE}$  and C is on both  $\overline{AE}$  and BD.



Which of these statements must be true?

- **A.**  $\angle A \cong \angle D$  and  $\angle B \cong \angle E$
- **B.**  $\triangle ABC \sim \triangle EDC$
- **C.** Dilation by a factor of  $\frac{EC}{AC}$  centered at point *C* followed by a rotation of 180° about point *C*, maps  $\triangle ABC$  to  $\triangle EDC$ .
- **D.** Rotation 180° about point *C* followed by a dilation by a factor of  $\frac{EC}{AC}$  centered at point *C*, maps  $\triangle ABC$  to  $\triangle EDC$ .
- **E.** Dilation by a factor of  $\frac{EC}{AC}$  centered at point *C* followed by a reflection across the line through *C* parallel to  $\overline{AB}$ , maps  $\triangle ABC$  to  $\triangle EDC$ .

Item Information				
Item Code:	TN344316		Grade Level:	Geometry
Standard Code:	G.SRT.B.4		Position No:	15
Standard Text:	Prove theorems abo	ut similar triangles.		
Reporting Category:	2: Triangles and Circ	cles		
Calculator:	Z			
Correct Answer:	В	DOK Level: 2	Item Type:	0

 $\triangle ABC$  and  $\triangle XYZ$  are both right triangles.



Statements	Reasons
1. $AC = 10, BC = 15,$ XZ = 4, YZ = 6	1. Given
2. ?	2. ?
3. $\angle ACB$ and $\angle XZY$ are right angles	3. Given
4. $\angle ACB \cong \angle XZY$	4. All right angles are congruent.
5. $\triangle ABC \sim \triangle XYZ$	5. SAS

#### (Item 15, continued from the previous page)

Which statement and reason are missing from the proof to prove  $\triangle ABC \sim \triangle XYZ$ ?

- **A.** AC = XZ and BC = YZ since the lengths of the corresponding sides are equal.
- **B.**  $\frac{AC}{XZ} = \frac{BC}{YZ}$  since the lengths of the corresponding sides are proportional.
- **C.** AB = XY since the lengths of the hypotenuses are equal.

**D.** 
$$\frac{AC}{XZ} = \frac{YZ}{BC}$$
 since the lengths of the corresponding sides are proportional.

Item Information				
Item Code:	TN444396		Grade Level:	Geometry
Standard Code:	G.SRT.B.4		Position No:	16
Standard Text:	Prove theorems abo	out similar triangles.		
Reporting Category:	2: Triangles and Circ	cles		
Calculator:	Z			
Correct Answer:	D	DOK Level: 3	Item Type:	0

The following statements describe triangles ABC and PQR.

For  $\triangle ABC$ : AC = 2, AB = 4, and BC = 5. For  $\triangle PQR$ : QR = 7.5, PR = 3, and PQ = 6.

Which statement explains why  $\triangle ABC$  and  $\triangle PQR$  are either similar or not similar?

Α.	$\triangle ABC$ and $\triangle PQR$ are not similar beca	use	$\frac{AC}{QR} \neq$	$\frac{AB}{PR}$ .
В.	$\triangle ABC$ and $\triangle PQR$ are similar because	AC PR	$=rac{PQ}{AB}$	$=rac{BC}{QR}$ .
C.	$\triangle ABC$ and $\triangle PQR$ are similar because	AB PQ	$=\frac{BC}{QR}$ .	
D.	$\triangle ABC$ and $\triangle PQR$ are similar because	AC PR	$=\frac{BC}{QR}$	$=\frac{AB}{PQ}.$

Item Information			
Item Code:	TN144443		Grade Level: Geometry
Standard Code:	G.SRT.C.8.a		Position No: 17
Standard Text:	Know and use trigor triangles in applied p	nometric ratios and the Pythagore problems.	ean Theorem to solve right
Reporting Category:	2: Triangles and Circ	cles	
Calculator:	Z		
Correct Answer:	С	DOK Level: 2	Item Type: O

Lorenzo is 6 feet, 3 inches in height. He looks at his shadow when the angle of elevation of the sun is  $35^{\circ}$ .



What is the approximate length of his shadow?

- **A.** 4 feet, 5 inches
- B. 7 feet, 7 inches
- **C.** 8 feet, 11 inches
- **D.** 10 feet, 11 inches

Item Information				
Item Code:	TN844507		Grade Level:	Geometry
Standard Code:	G.SRT.C.8.b		Position No:	18
Standard Text:	Know and use the L situations. Recognize	aw of Sines and Law of Cosines t when it is appropriate to use eac	o solve proble ch.	ems in real life
Reporting Category:	2: Triangles and Cire	cles		
Calculator:	Z			
Correct Answer:	В	DOK Level: 2	Item Type:	0

James and Padma are on opposite sides of a 100-ft-wide canyon. James sees a bear at an angle of depression of 45°. Padma sees the same bear at an angle of depression of 65°.



What is the approximate distance, in feet, between Padma and the bear?

- **A.** 21.2 ft
- **B.** 75.2 ft
- **C.** 96.4 ft
- **D.** 171.6 ft

Item Information				
Item Code:	TN544274		Grade Level:	Geometry
Standard Code:	G.GPE.B.2		Position No:	19
Standard Text:	Use coordinates to	prove simple geometric theorems	algebraically.	
Reporting Category:	3: Geometric Proofs	and Solving Design Problems		
Calculator:	Z			
Correct Answer:	A,D,E	DOK Level: 3	Item Type:	0

On a coordinate plane,  $\triangle ABC$  has vertices at A(3, 6), B(12, 6), and C(12, 1). Which statements are true?

- **A.**  $\triangle ABC$  is a right triangle.
- **B.**  $\triangle ABC$  is an equilateral triangle.
- **C.**  $\triangle ABC$  is an isosceles triangle.
- **D.**  $\triangle ABC$  is a scalene triangle.
- **E.**  $\angle A$  and  $\angle C$  are complementary.
- **F.**  $\angle A$  and  $\angle C$  are supplementary.

Item Information				
Item Code:	TN162390		Grade Level:	Geometry
Standard Code:	G.GPE.B.5		Position No:	20
Standard Text:	Know and use coordinates to compute perimeters of polygons and areas of triangles and rectangles.			
Reporting Category:	3: Geometric Proofs	and Solving Design Problems		
Calculator:	Z			
Correct Answer:	A,C,D,E	DOK Level: 2	Item Type:	0

Three points of rectangle *ABCD* are shown on a coordinate plane.



Which statement is true? Select **all** that apply.

- **A.** The coordinates of *D* are (-4, -2).
- **B.** The perimeter of rectangle *ABCD* is about 13.41 units.
- **C.** The length of  $\overline{CD}$  is about 8.94 units.
- **D.** The area of the rectangle is about 40 square units.
- **E.** The length of  $\overline{AD}$  is about 4.47 units.

Item Information					
Item Code:	TN262363			Grade Level:	Geometry
Standard Code:	G.GPE.B.5			Position No:	21
Standard Text:	Know and use coord triangles and rectan	dinates to cor Igles.	npute perimeters of	polygons and	areas of
Reporting Category:	3: Geometric Proofs	and Solving	Design Problems		
Calculator:	Z				
Correct Answer:	B,D,E	DOK Level:	2	Item Type:	0

Triangle ABC is shown on a coordinate plane.



Which statement is true?

- **A.** If  $\overline{AD}$  is the altitude from A to  $\overline{BC}$ , the coordinates of D are (1, 3).
- **B.** The perimeter of  $\triangle ABC$  is about 15 units.
- **C.** The length of the longest side of the triangle is about 5.83 units.
- **D.** The area of the triangle is 9 square units.
- **E.** The length of the shortest side of the triangle is about 3.16 units.

Item Information			
Item Code:	TN842856		Grade Level: Geometry
Standard Code:	G.GMD.A.1		Position No: 22
Standard Text:	Give an informal arg	gument for the formulas for the circ face area of a cylinder, cone, prism	umference of a circle and , and pyramid.
Reporting Category:	4: Two and Three D	imensional Geometry	
Calculator:	Z		
Correct Answer:	A,C,D	DOK Level: 2	Item Type: O

A right circular cylinder has radius *r* and height *h*. Two regular polygons with *n* sides are inscribed in the circular bases, and then joined to form a right prism.



Let  $A_n$  represent the area of a regular polygon with n sides. Which statements can be used to justify the formula for the volume of a cylinder?

- **A.** As *n* increases,  $A_n$  approaches  $\pi r^2$ .
- **B.** As *n* increases,  $A_n$  approaches  $2\pi r$ .
- **C.** The volume of the prism is given by  $A_n$  times the height.
- **D.** As *n* increases, the volume of the prism approaches  $\pi r^2 h$ .
- **E.** As *n* increases, the volume of the prism approaches  $2\pi r^2 h$ .

Item Information			
Item Code:	TN542946	Grade Level: Geometry	
Standard Code:	G.GMD.A.2	Position No: 23	
Standard Text:	Know and use volume and surface area formulas for cylinders, cones, prisms, pyramids, and spheres to solve problems.		
Reporting Category:	4: Two and Three Dimensional Geometry		
Calculator:	Z		
Correct Answer:	A DOK Level: 2	Item Type: O	

A fish tank in the shape of a rectangular prism holds 30 cubic feet of water. The tank has a length of 5 feet and a width of 3 feet. What is the depth, in feet, of the tank?

- **A.** 2
- **B.** 6
- **C.** 10
- **D.** 15

Item Information			
Item Code:	TN839361	Grade Level:	Geometry
Standard Code:	G.GMD.A.2	Position No: 2	24
Standard Text:	Know and use volume and surface are pyramids, and spheres to solve proble	ea formulas for cylinders, cones ems.	s, prisms,
Reporting Category:	4: Two and Three Dimensional Geom	etry	
Calculator:	Z		
Correct Answer:	D DOK Level: 2	Item Type:	0

A right triangular prism and a rectangular prism are shown. Each prism has a height of h inches and a cross-section that is parallel to its base. The length and width of the rectangular cross-section given.



If the volumes of the two solids are equal, which pair of measurements are possible lengths of the legs of the right-triangular cross-section?

- **A.** 4 in. and 6 in.
- **B.** 6 in. and 8 in.
- **C.** 8 in. and 12 in.
- **D.** 12 in. and 16 in.

## **Geometry to Integrated Math Courses Standard Crosswalk**

The Tennessee Academic Standards for Mathematics are grouped by conceptual category — not by course — to allow for two approaches. The traditional approach consists of three courses: Algebra I, Geometry, and Algebra II. The integrated approach also consists of three courses: Integrated Math I, Integrated Math II, and Integrated Math III. Both pathways include the same content standards. Across the three courses, students in the traditional pathway will study the same content as students in the integrated pathway. The two pathways will provide the same entry point and the same exit point in the content standards. Because of limitations in the item bank for integrated pathway courses, only operational items from the traditional pathway assessments can be publicly released at this time. In order to provide assessment resources applicable to both pathways, the released items from traditional pathway assessments have been linked to standards in the integrated pathways. The table below lists the released items from the designated traditional pathway course, the standards they assess in that course, and the corresponding standards in the integrated pathway courses.

Geometry To Integrated Math Courses				
Sequence	Item Code	Geometry Standard	Int Math Standard	
1	TN239421	G.CO.A.2	M1.G.CO.A.2	
2	TN710213	G.CO.A.5	M1.G.CO.A.5	
3	TN910140	G.CO.B.6	M1.G.CO.B.6	
4	TN710390	G.CO.B.7	M1.G.CO.B.7	
5	TN441970	G.CO.C.11	M1.G.CO.C.11	
6	TN841784	G.CO.C.9	M1.G.CO.C.9	
7	TN110412	G.C.A.2	M3.G.C.A.2	
8	TN810446	G.C.A.2	M3.G.C.A.2	
9	TN845778	G.GPE.A.1	M3.G.GPE.A.1	
10	TN543001	G.SRT.A.1	M2.G.SRT.A.1	
11	TN943007	G.SRT.A.1	M2.G.SRT.A.1	
12	TN341656	G.SRT.A.2	M2.G.SRT.A.2	
13	TN543078	G.SRT.A.2	M2.G.SRT.A.2	
14	TN044272	G.SRT.A.3	M2.G.SRT.A.3	
15	TN344316	G.SRT.B.4	M2.G.SRT.B.4	
16	TN444396	G.SRT.B.4	M2.G.SRT.B.4	
17	TN144443	G.SRT.C.8.a	M2.G.SRT.C.8a	
18	TN844507	G.SRT.C.8.b	M2.G.SRT.C.8b	
19	TN544274	G.GPE.B.2	M3.G.GPE.B.2	
20	TN162390	G.GPE.B.5	M3.G.GPE.B.5	
21	TN262363	G.GPE.B.5	M3.G.GPE.B.5	
22	TN842856	G.GMD.A.1	M2.G.GMD.A.1	
23	TN542946	G.GMD.A.2	M2.G.GMD.A.2	
24	TN839361	G.GMD.A.2	M2.G.GMD.A.2	

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