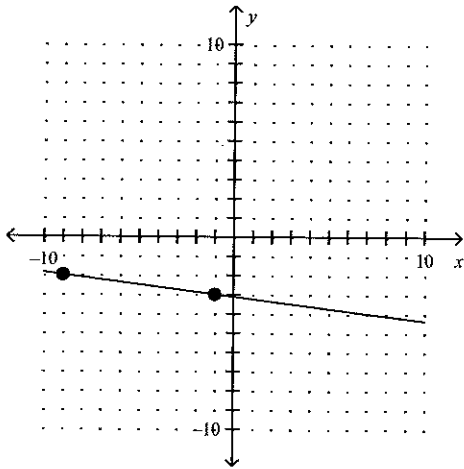


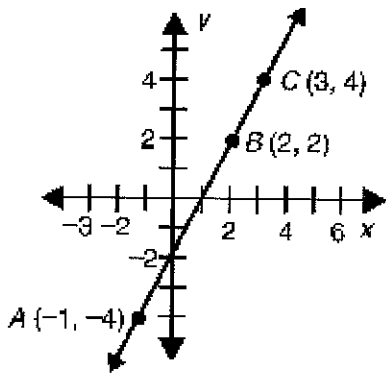
7. Find the slope of the line.

7. _____



8. Calculate the slope of the line. Does it matter which points are used? Why?

8. _____



9. Tell which line through the given points is steeper. *Explain.*

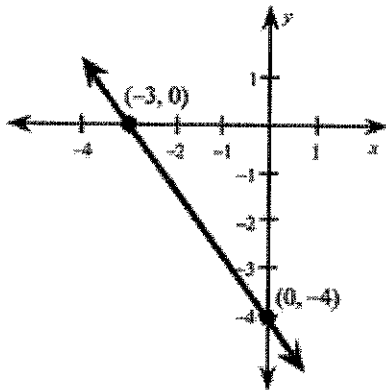
9. _____

Line 1: $(5, 6)$, $(2, 4)$

Line 2: $(10, 3)$, $(7, 1)$

10. Write an equation of the line shown on the graph.

10. _____



Linear Equation Pre-Test & Standards (2016 - 2017) Formal Geometry

Answer key

1) **D**

CCSS.Math.Content.HSA-SSE.A.1a

2) **C**

CCSS.Math.Content.HSA-SSE.A.1a

3) **C**

CCSS.Math.Content.HSA-SSE.A.1a

4) **A**

CCSS.Math.Content.HSA-REI.D.10

5) $\frac{7}{3}$

CCSS.Math.Content.HSA-SSE.A.1a

6) **$y = -5x - 20$**

CCSS.Math.Content.HSA-SSE.A.1a

7) $-\frac{1}{8}$

CCSS.Math.Content.HSA-REI.D.10

8) **$m = 2$. All points on the same line produce the same ratio**

CCSS.Math.Content.HSA-REI.D.10

9) **Both lines have a slope of $\frac{2}{3}$. Therefore, their slopes are the same.**

CCSS.Math.Content.HSA-SSE.A.1a

10) **$y = -\frac{3}{4}x - 4$**

CCSS.Math.Content.HSA-REI.D.10