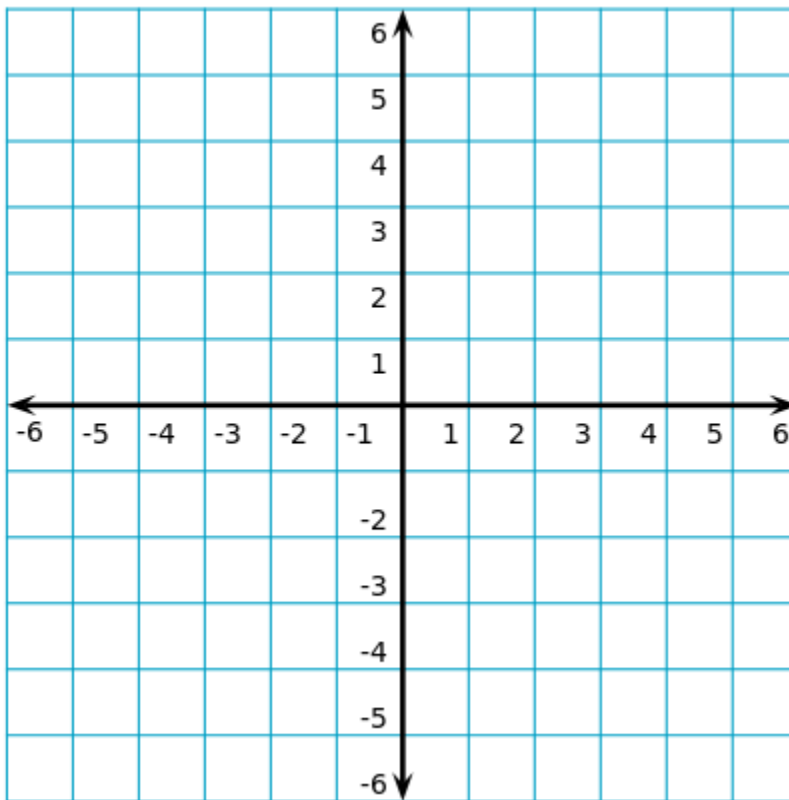


2016 Mathematics Standards of Learning
Algebra Readiness Formative Assessment

1A.8

1. A car can drive 600 miles on 18 gallons of gasoline. How many miles can a car drive on 15 gallons of gasoline?
2. A point is an element of direct variation at the location (2, 4).



Select all points that are elements of this variation

(0,0)	(4,2)	(1,1)	(1,2)	(3,6)	(6,3)
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3. Which of the following equations represents direct variation?
- A. $y=3x+4$
 - B. $xy=6$
 - C. $3x-6y=0$
 - D. $x+y=6$
4. \$1,000 will be split up equally between workers on a job. If the number of workers on the job increases, the amount each worker is paid decreases. What type of variation exists between the money paid and the number of workers?
- A. Direct Variation
 - B. Inverse Variation
 - C. Neither
 - D. Not enough information