# 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).**

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**Select all points that are elements of this variation**

| (0,0) | (4,2) | (1,1) | (1,2) | (3,6) | (6,3) |
| --- | --- | --- | --- | --- | --- |

**Which of the following equations represents direct variation?**

* 1. y=3x+4
	2. xy=6
	3. 3x-6y=0
	4. x+y=6
1. **$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?**
	1. Direct Variation
	2. Inverse Variation
	3. Neither
	4. Not enough information

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