

Proportional Relationships

1. What two characteristics does the graph of a proportional relationship have?

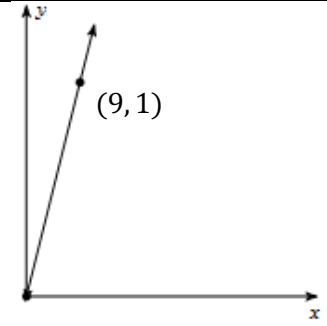
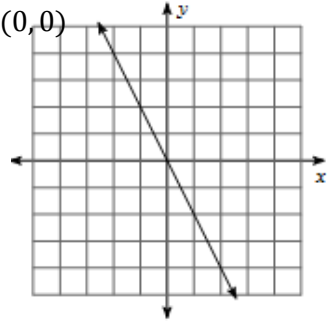
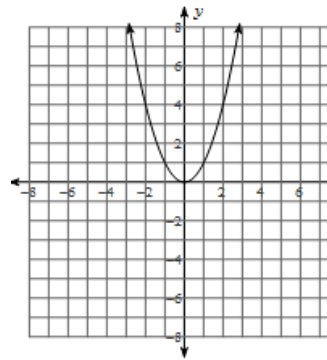
- a. \_\_\_\_\_
- b. \_\_\_\_\_

2. What characteristic does the equation of a proportional relationship have?

\_\_\_\_\_

Given the graph or equation, fill in the following table.

	Circle one:	Circle one:	Why it is proportional or non-proportional?
	<b>3.</b>  Increasing Decreasing Constant	<b>4.</b>  Proportional Non-proportional	<b>5.</b>
	<b>6.</b>  Increasing Decreasing Constant	<b>7.</b>  Proportional Non-proportional	<b>8.</b>
	<b>9.</b>  Increasing Decreasing Constant	<b>10.</b>  Proportional Non-proportional	<b>11.</b>
	<b>12.</b>  Increasing Decreasing Constant	<b>13.</b>  Proportional Non-proportional	<b>14.</b>

	<b>Circle one:</b>	<b>Circle one:</b>	<b>Why it is proportional or non-proportional?</b>
	<b>15.</b>  Increasing Decreasing Constant	<b>16.</b>  Proportional Non-proportional	<b>17.</b>
	<b>18.</b>  Increasing Decreasing Constant	<b>19.</b>  Proportional Non-proportional	<b>20.</b>
	<b>21.</b>  Increasing Decreasing Constant	<b>22.</b>  Proportional Non-proportional	<b>23.</b>

Do the following equations represent proportional or non-proportional relationships? Explain.

24.  $y = 3$

**Proportional** or **Non-proportional**

Explain:

25.  $y = -5x + 8$

**Proportional** or **Non-proportional**

Explain:

26.  $y = \frac{7}{4}x$

**Proportional** or **Non-proportional**

Explain:

27.  $y = -24x$

**Proportional** or **Non-proportional**

Explain: