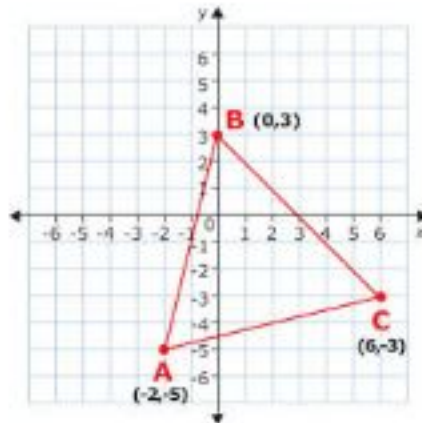


NAME: _____

CLASS: _____

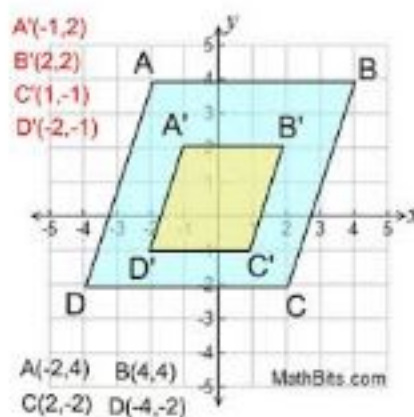
DATE: _____

1. Triangle ABC will be dilated by a scale factor of $\frac{1}{2}$. What will be the coordinates of C'?



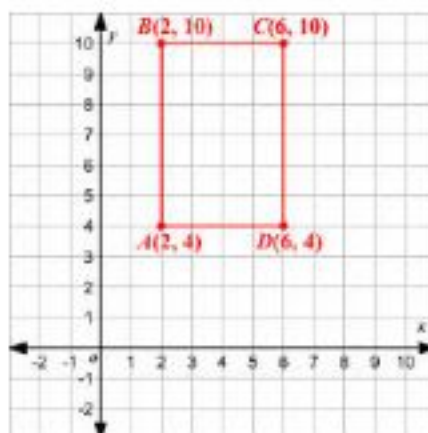
- | | | | |
|----------------------------|------------|----------------------------|----------|
| <input type="checkbox"/> A | (3, -1.5) | <input type="checkbox"/> B | (12, 6) |
| <input type="checkbox"/> C | (-1, -2.5) | <input type="checkbox"/> D | (0, 1.5) |

2. Enlargement or reduction? Find the scale factor!



- | | | | |
|----------------------------|---|----------------------------|--|
| <input type="checkbox"/> A | It's an enlargement; the scale factor is 2. | <input type="checkbox"/> B | It's a reduction; the scale factor is 2. |
| <input type="checkbox"/> C | It's a reduction; the scale factor is $\frac{1}{2}$. | <input type="checkbox"/> D | It's an enlargement; the scale factor is $\frac{1}{2}$. |

3. Rectangle ABCD is dilated so that A' is located at (3, 6). What could be the dilation rule?



- | | | | |
|----------------------------|--------------------------------|----------------------------|--------------------------------|
| <input type="checkbox"/> A | $(\frac{3}{2}x, \frac{3}{2}y)$ | <input type="checkbox"/> B | $(2x, 3y)$ |
| <input type="checkbox"/> C | $(x + 2, y + 3)$ | <input type="checkbox"/> D | $(\frac{2}{3}x, \frac{2}{3}y)$ |

4. Triangle ABC is dilated so that the coordinates of C' are (2, -1).

