Name Date

6th Grade Benchmark for Topics 1 and 2

Be sure to *show all of your thinking*, read each question carefully, and provide complete answers. Make sure to answer each questions fully.

Standards: 6.EE.C.9, 6.NS.C.6c, 6.EE.B.5, 6.NS.C.6a, 6.EE.A.4, 6.EE.B.7,6.NS.C.6b, 6.EE.A.1, 6.EE.A.3, 6.NS.B.4, 6.NS.C.8, 6.G.A.3, 6.EE.A.1, 6.NS.A.1, 6.EE.A.2b, 6.NS.B.2, 6.EE.A.2a, 6.EE.B.8,

1. Select all the pairs of numbers that are opposites. **(6.NS.C.6a)**

- ☐ 6 and −6
- ☐ 8 and $\frac{1}{8}$
- ☐ −(−12) and −12
- ☐ 7 and $-\frac{1}{7}$
- ☐ −0.1 and 10

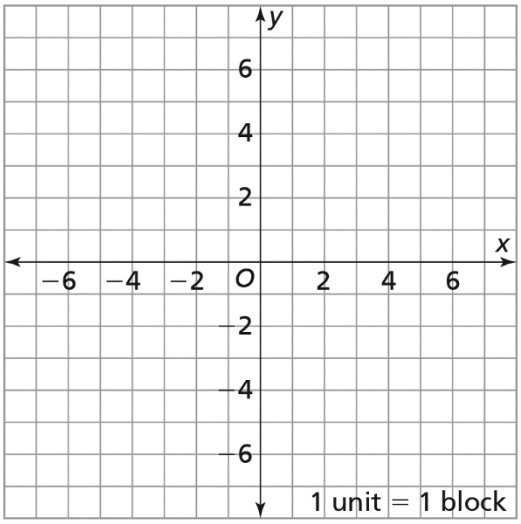
2. Tamera graphs the following point on a coordinate plane. **(6.NS.C.6b)**

P(3, -4)

Which statement is correct?

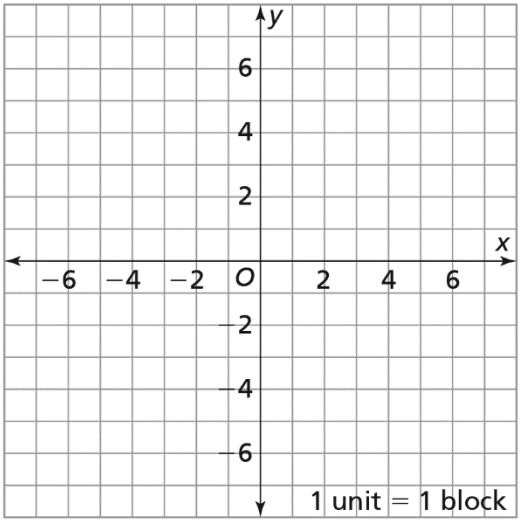
A. A reflection of *P* across the *x*-axis is at (3, 4).

B. A reflection of *P* across the *y*-axis is at (3, 4).



3. Plot the ordered pairs below on the coordinate plane. **(6.NS.C.8, 6.G.A.3)**

$A(-5, 5),\ B(-5, -7),\ C(3, -7),\ D(3, 5)$



Part A

What shape did you draw? _____

Part B

Find the Perimeter and area of the shape in Part A.

Perimeter:_____

Area:_____

4. Solve the following division problems. **(6.NS.A.1)**

a. $\frac{1}{4} \div \frac{5}{8} =$

b. $2\frac{1}{3} \div 2 =$

5. Find the quotient. **(6.NS.B.2)**

1,107 ÷ 2.7

6. Use $<, \ >, \ or \ =$ to compare the two integers. **(6.NS.A.1)**

−2°C ____ −5°C

7. Order the following rational numbers in order from least to greatest. **(6.NS.A.1)**

$$-\frac{3}{4},\ -1\frac{1}{4},\ -\frac{3}{2},1\frac{1}{2}$$