

Spiral #1

Names:

7th Grade

Evaluate the expressions. Show work.
No calculators.

1) $-x^2 - x$ when
 $x = 6$

2) $-x^2 - x$ when
 $x = -6$

3) $-2(x - y)^3$ when
 $x = -1$ and $y = -4$

4) $-2x^3$ when
 $x = -2$

5) $3x^2$ when
 $x = -7$

6) $(x + y)^2$
when $x = -10$
and $y = 4$

Classify the numbers.

1) 7

2) -4

3) $\sqrt{25}$

4) $\sqrt{26}$

5) 15.2

6) $-23\frac{4}{5}$

7) 7π

8) 16.324179.....

Evaluate. Showwork. No calculators.

$$1) \frac{2}{3} + \frac{4}{5}$$

$$2) \frac{2}{3} - \frac{4}{5}$$

$$3) \frac{2}{3} \left(\frac{4}{5} \right)$$

$$4) \frac{2}{3} \div \frac{4}{5}$$

$$5) \frac{7}{6} + \frac{1}{2}$$

$$6) \frac{7}{6} - \frac{1}{2}$$

$$7) \frac{7}{6} \left(\frac{1}{2} \right)$$

$$8) \frac{7}{6} \div \frac{1}{2}$$

Find the area of each. Don't forget units!

