

Unit 7: Rational Numbers

ADVANCED · SET 2

Name: _____ Date: _____

Show all your work. Write each answer as an exact number, fraction, or coordinate pair in lowest terms.

1. Compute $-\frac{3}{4} + \frac{5}{6}$. Give your answer as a fraction in lowest terms.

Answer: _____

3. Compute $-4.5 - (-7.2)$.

Answer: _____

5. Points A and B lie on a coordinate plane at $A = (-7, 4)$ and $B = (-7, -9)$. Find the distance between A and B.

Answer: _____

7. Compute -2.4×3.5 .

Answer: _____

9. Compute $(-1.2)^2$.

Answer: _____

11. Compute $-18 \div (-\frac{2}{3}) + (-5)$.

Answer: _____

2. Compute $(-\frac{2}{3}) \times (-\frac{9}{10})$. Give your answer as a fraction in lowest terms.

Answer: _____

4. Compute $(-\frac{5}{8}) \div (\frac{5}{12})$. Give your answer as a fraction in lowest terms.

Answer: _____

6. Compute $(-3)^2 + (-3)^3$.

Answer: _____

8. Compute $(-\frac{7}{12}) - (-\frac{1}{4}) - (\frac{1}{3})$. Give your answer as a fraction in lowest terms.

Answer: _____

10. Compute $(\frac{2}{5} - \frac{3}{4}) \div (-\frac{7}{20})$.

Answer: _____