

Show your work for each problem!!!! Be sure to LABEL the corresponding problem NUMBER in each box.

① $(-20, -5)$ and $(-16, -6)$

$$\frac{-6 + 5}{-16 + 20} = \frac{-1}{4}$$

③ $(14, -19)$ and $(-16, -9)$

$$\frac{-9 + 19}{-16 - 14} = \frac{10}{-30} = \frac{-1}{3}$$

⑤ $(11, -9)$ and $(10, 8)$

$$\frac{8 + 9}{10 - 11} = \frac{17}{-1} = -17$$

⑦ $(-20, -7)$ and $(-9, -7)$

$$\frac{-7 + 7}{-9 + 20} = \frac{0}{11} = 0$$

⑨ $(9, -3)$ and $(7, -8)$

$$\frac{-8 - (-3)}{7 - 9} = \frac{-5}{-2} = \frac{5}{2}$$

⑩ $(-4, 10)$ and $(-6, -8)$

$$\frac{-8 - 10}{-6 + 4} = \frac{-18}{-2} = 9$$

⑫ $(8, -20)$ and $(12, -17)$

$$\frac{-17 + 20}{12 - 8} = \frac{3}{4}$$

⑮ $(2, -16)$ and $(1, 3)$

$$\frac{3 + 16}{1 - 2} = \frac{19}{-1} = -19$$

⑯ $(8, -8)$ and $(-1, -2)$

$$\frac{-2 + 8}{-1 - 8} = \frac{6}{-9} = \frac{-2}{3}$$

⑰ $(-16, -15)$ and $(0, -9)$

$$\frac{-9 + 15}{0 + 16} = \frac{6}{16} = \frac{3}{8}$$

② $(-8, -3)$ and $(-8, 5)$

$$\frac{5 - (-3)}{-8 - (-8)} = \frac{8}{0} = \text{Undefined}$$

③ $(-9, 9)$ and $(-10, 12)$

$$\frac{12 - 9}{-10 + 9} = \frac{3}{-1} = -3$$

④ $(-12, 14)$ and $(-11, 7)$

$$\frac{7 - 14}{-11 + 12} = \frac{-7}{1} = -7$$

⑤ $(-2, 16)$ and $(14, -16)$

$$\frac{-16 - 16}{14 + 2} = \frac{-32}{16} = -2$$

⑥ $(12, -17)$ and $(13, -9)$

$$\frac{-9 + 17}{13 - 12} = \frac{8}{1} = 8$$

⑧ $(16, 2)$ and $(20, 4)$

$$\frac{4 - 2}{20 - 16} = \frac{2}{4} = \frac{1}{2}$$

⑨ $(17, 7)$ and $(12, -18)$

$$\frac{-18 - 7}{12 - 17} = \frac{-25}{-5} = 5$$

⑪ $(-2, 6)$ and $(13, 18)$

$$\frac{18 - 6}{13 - (-2)} = \frac{12}{15} = \frac{4}{5}$$

⑬ $(-11, -14)$ and $(-9, -10)$

$$\frac{-10 + 14}{-9 + 11} = \frac{4}{2} = 2$$

⑭ $(-1, 0)$ and $(-13, -12)$

$$\frac{-12 - 0}{-13 + 1} = \frac{-12}{-12} = 1$$

ACROSS

DOWN

Name _____

Date _____

Class _____

Across

- 1. (-20, -5) & (-16, -6)
- 3. (14, -19) & (-16, -9)
- 5. (11, -9) & (10, 8)
- 7. (-20, -7) & (-9, -7)
- 9. (9, -3) & (7, -8)
- 10. (-4, 10) & (-6, -8)
- 12. (8, -20) & (12, -17)
- 15. (2, -16) & (1, 3)
- 16. (8, -8) & (-1, -2)
- 17. (-16, -15) & (0, -9)

Down

- 2. (-8, -3) & (-8, 5)
- 3. (-9, 9) & (-10, 12)
- 4. (-12, 14) & (-11, 7)
- 5. (-2, 16) & (14, -16)
- 6. (12, -17) & (13, -9)
- 8. (16, 2) & (20, 4)
- 9. (17, 7) & (12, -18)
- 11. (-2, 6) & (13, 18)
- 13. (-11, -14) & (-9, -10)
- 14. (-1, 0) & (-13, -12)

WORDS BANK

- ~~FIVE HALVES~~
- ~~NINE~~
- ~~NEGATIVE ONE FOURTH~~
- ~~NEGATIVE ONE THIRD~~
- ~~NEGATIVE TWO THIRDS~~
- ~~THREE EIGHTHS~~
- ~~THREE FOURTHS~~
- ~~NEGATIVE NINETEEN~~
- ~~NEGATIVE SEVENTEEN~~
- ~~ZERO~~
- ~~NEGATIVE SEVEN~~
- ~~NEGATIVE TWO~~
- ~~FIVE~~
- ~~FOUR FIFTHS~~
- ~~TWO~~
- ~~ONE~~
- ~~UNDEFINED~~
- ~~NEGATIVE THREE~~
- ~~EIGHT~~
- ~~ONE HALF~~