

A #4 ① p. 10-11 #3-31 odd
 ② p. 68 #17 and 22 (Graph), 43-49 odd

Key

II p. 10-11 #3-31 odd

$$3. \frac{13-8+3}{5+3}$$

$$\frac{8}{8}$$

$$5. \frac{3 \cdot 6-4}{18-4}$$

$$\frac{14}{14}$$

$$7. 48 \div 4^2 + \frac{3}{5}$$

$$48 \div 16 + \frac{3}{5}$$

$$3 + \frac{3}{5}$$

$$3\frac{3}{5}$$

$$9. \frac{2^4 \cdot 4 - 2 \div 8}{16 \cdot 4 - 2 \div 8}$$

$$\frac{64 - \frac{1}{4}}{64 - \frac{1}{4}}$$

$$63\frac{3}{4}$$

$$11. \frac{(12+72) \div 4}{84 \div 4}$$

$$21$$

$$13. 12(6-3.5)^2 - 1.5$$

$$12(2.5)^2 - 1.5$$

$$12(6.25) - 1.5$$

$$75 - 1.5$$

$$73.5$$

$$15. \frac{1}{2}(21+2^2)$$

$$\frac{1}{2}(21+4)$$

$$\frac{1}{2}(25)$$

$$12\frac{1}{2}$$

$$17. \frac{3}{4}[13-(2+3)]^2$$

$$\frac{3}{4}[13-5]^2$$

$$\frac{3}{4}[8]^2$$

$$\frac{3}{4}(64)$$

$$48$$

$$19. 3[20-(7-5)^2]$$

$$3[20-(2)^2]$$

$$3[20-4]$$

$$3[16]$$

$$48 \quad A$$

21. Error - multiplication
 was done before exponents

$$20 - \frac{1}{2} \cdot 6^2$$

$$20 - \frac{1}{2} \cdot 36$$

$$20 - 18$$

$$2$$

23. $2+3x^2$; $x=3$

$$2+3(3)^2$$

$$2+3(9)$$

$$2+27$$

$$29$$

25. $11+r^3-2r$; $r=5$

$$11+(5)^3-2(5)$$

$$11+125-2(5)$$

$$11+125-10$$

$$136-10$$

$$126$$

Key

27. $3(m^2 - 2)$; $m = 1.5$

$3(1.5^2 - 2)$

$3(2.25 - 2)$

$3(.25)$

$.75$

29. $\frac{k^2 - 1}{k + 3}$; $k = 5$

$\frac{5^2 - 1}{5 + 3}$

$\frac{25 - 1}{5 + 3}$

$\frac{24}{8}$

3

31. $\frac{x^2}{25} + 3x$; $x = 10$

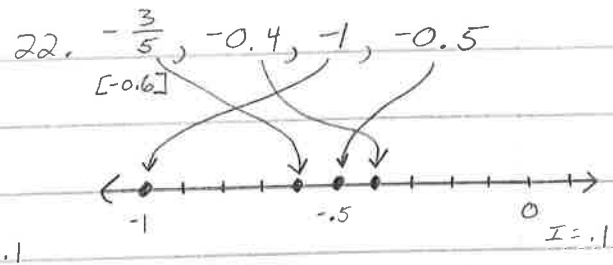
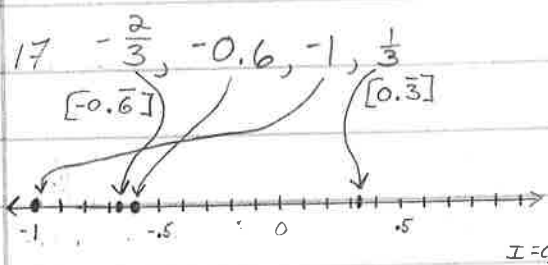
$\frac{10^2}{25} + 3(10)$

$\frac{100}{25} + 3(10)$

$4 + 30$

34 3

2. p. 68 #17 and 22 (graph), 43-49 odd



Whole #: None

Integer: -1

Rational #: $-1, -\frac{2}{3}, -0.6, \frac{1}{3}$ [least to greatest]

Whole #: None

Integer: -1

Rational #: $-1, -\frac{3}{5}, -0.5, -0.4$ [least to greatest]

For # 43-49 odd, $x = -0.75$

43. $|x| + 0.25$
 $| -0.75 | + 0.25$
 $0.75 + 0.25$
 1

45. $1 + |-x|$
 $1 + | -(-0.75) |$
 $1 + | 0.75 |$
 $1 + 0.75$
 1.75

47. $(-x) \cdot 3$
 $(-(-0.75)) \cdot 3$
 $(0.75) \cdot 3$
 2.25

49. $-x + |x|$
 $-(-0.75) + | -0.75 |$
 $-(-0.75) + 0.75$
 $0.75 + 0.75$
 1.5