

Answers

(1) Up 3

(4) V. Stretch
Reflection

(5) left 5

(6) right 8

(7) A

(8) B

(11) C

(12) D

(13) B

(14) B

(15) D

(16) A

(17) 1997

(18) 41, 37, 33

$$57 + (-4)(n-1)$$

(19) -48, 96, -192

$$-3 \cdot (-2)^{n-1}$$

(20) 324, 972, 2916

$$4 \cdot 3^{n-1}$$

(21) C

(22) A

(23) y-inter (0,4)

D: all real numbers

$$R: y \leq -1$$

(27) $-45h^{5.5}$

$$(28) \frac{a^{15}}{4b}$$

$$(29) \frac{a^2}{4}$$

$$(30) 5yz^2\sqrt{3y}$$

$$(31) 2dc^3\sqrt{5}$$

$$(32) 18\sqrt{6b}$$

$$(33) 4a - 3b^2 + b - 5 + 8a^2$$

$$(34) 17p - 5q^2 - 10p^2$$

$$(35) 6s^9 + 16s^5 + 10s^4$$

$$(36) 25k^3 - 35k^2 + 50k - 40$$

$$(37) -24m^4 + 2m^3 - 43m^2 + 23m - 28$$

$$(38) r^2 - 5r - 24$$

$$(39) 16c^2 + 56c + 49$$

$$(40) 8(gt^2)$$

$$(41) 3x(x^2 - 5x + 7)$$

$$(42) (x-3)(x+9)$$

$$(43) (5r+4)(r+2)$$

$$(44) (10v+13)(10v-13)$$

$$(45) m = -5 \quad m = -1$$

$$(46) d = 4 \pm \sqrt{11}$$

$$(47) g = 8 \pm 5\sqrt{2}$$

$$(48) x = 1, -9$$

$$(49) s = -7 \pm \sqrt{89}$$

$$(50) h = -10 \quad n = 1$$

$$(50) -216, \text{ none}$$

$$(51) 1200, 2$$

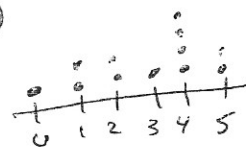
$$(52) (-1, 2)$$

$$(53) (-4, 32)$$

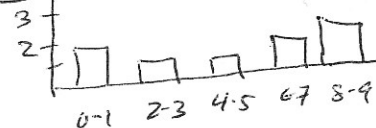
$$(53) x = 0 \quad x = 2$$

$$(54) \text{ no solution}$$

(63)



(65)



$$(69) 40$$

$$(70) 50$$

$$(71) 5 \text{ times}$$