Chapter 1 Quiz Review

1. (a) 38m

2. $35 - 4x$
(d)

3. $12x$
(c)

4. $5x^2 + 2$ be careful c means $5x^2 \cdot 2$
(d)

5. $2x^3 - 4x$
(d)

6. $5x^4 \div 6$
(b)

7. $2 + 2(2)^2(5) + 8$
$2 + 2(4)(5) + 8$
$2 + 8(5) + 8$
$2 + 40 + 8$
$42 + 8$
(50)

8. $3c + 5c - 2a$ $a = 12$
$3(4) + 5(4) - 2(12)$ $b = 5$
$12 + 20 - 24$ $c = 4$
$32 - 24$
(8)

9. $\frac{x^2y - 2z}{4}$ $x = 12$
$y = 8$
$z = 6$

10. $11n = 11$

(a)

11. $3(c+d) - d$

12. $(-2\frac{1}{7})p = -3$

$-\frac{15}{7}p = -3$

$\cdot -\frac{7}{15} \quad \cdot -\frac{7}{15}$

$p = -\frac{3}{1} \cdot -\frac{7}{15_5}$

(a) $p = \{\frac{7}{5}\}$ or $1\frac{2}{5}$

13. $\frac{a}{-7} - 7 = 5$

$+7 \quad +7$

$\frac{a}{-7} = 12$

(b) $\cdot -7 \quad \cdot -7$

$a = 12 \cdot (-7)$

$a = \{-84\}$

14. $-5.4 = -1.5 + h$

$+1.5 \quad +1.5$

(b) $\{-3.9\} = h$

15. $\frac{-448}{64} = \frac{64q}{64}$

(d) $\frac{-7}{\{-7\}} = q$

16. $5+5(33-5^2)+3$

$5+5(33-25)+3$

$5+5(8)+5$

$5+40+5$

$45+5$

50

17. $x+(x+1)+(x+2)=24$ consecutive means in a row

$3x+3=24$

$3x=21$

$x=7$

(C) $7, 8, 9$

18. a. divide both sides by a.

b. multiplication.

19. $\frac{1.06(d)}{4} = \frac{53d}{200}$

20. $(2m-2)m$

$2m^2-2m\ cm^2$

$2(3)^2-2(3)$

$2 \cdot 9-6$

$18-6$

$12\ cm^2$

21. $15d=9$

22. $\frac{a - \frac{1}{2}}{5 + \frac{1}{2}} = \frac{3}{1}$

$a = \frac{6}{10} + \frac{5}{10}$

$= \frac{11}{10}$

23. the student divided by 3 instead of multiplying by 3. The correct answer is 45.

24. a. $50 + xs + yc$

$5(.96) + x(.79) + y(.75)$

$480 + .79x + .75y$

b. $.79x + 2x(.45)$

$.79x + .9x$

$1.69x$

25. $4x^3 + 12x - 3y - 6$

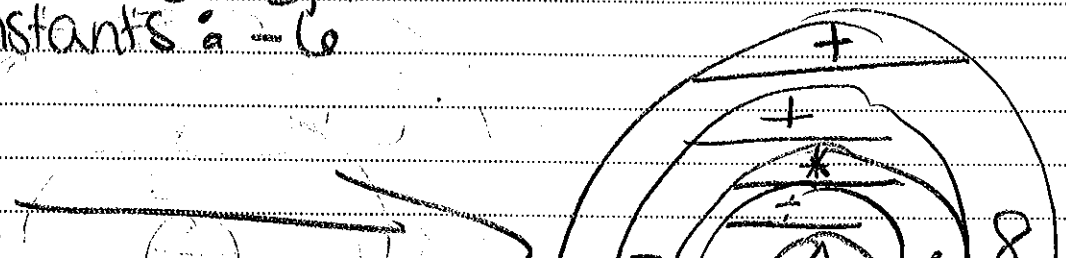
terms: $4x^3, 12x, -3y, -6$

coefficients: $4, 12, -3$

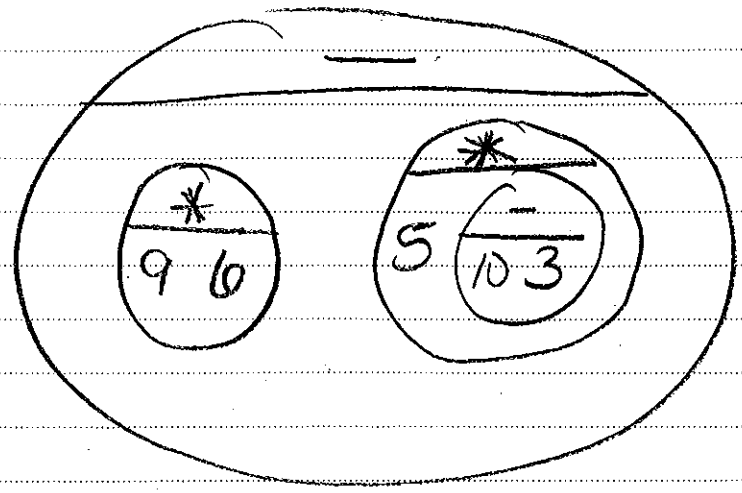
exponents: $3, 1$

constants: -6

26.



27.



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$2^3 \cdot 2 - 14$

$8 \cdot 2 - 14$

$16 - 14$

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