

TEST 2 (PRACTICE) KEY

Graphs are not able to be posted in this format, but I'll do them for you in class. This was written up and posted hurriedly - and while I was sick. I'm not double checking it, so there may be a couple of typos - if so we'll catch them in class during review.

3) $y = \frac{2}{3}x + 3$ 4) $y = -\frac{3}{2}x$ 5) $y = 3x - 4$

6) $y = -x + 3$ 7) $f(-2) = 12$ and $f(3) = 12$ 12) $\frac{y^{13}}{2x^8}$

13) w^8 14) $\frac{16}{x^{24}}$ 15) $\frac{1}{x^6}$

16) $54a^{15}b^{12}xy^7$ 11) 0 12) $-\frac{1}{2}$

16) no solution 17) $-c$ 18) $x^2 + \frac{4}{3}x + \frac{4}{9}$

19) $4x^2 - 49$ 20) $110x^2 + 17x - 15$ 21) $x^3 + 3x^2 - \frac{74}{5}x + 1$

22) $-2x - 8$ 23) $5x^4 + 11x^3 - 4x^2 + 5x + 3$ 24) $c^3d^5 - 2c^2d^2 + 5c^6d^4 - 10c^5d$

25) $x^2 + 11x - 11$ 26) $3x + 4 - \frac{1}{2x - 5}$ 27) $x^2 + 2x + 4$

28) $5x^2 + x + 4$ trinomial 29) 2 30) 14

31) $(x - 8)(x + 6)$ 32) $-4(x + 5)$ OR $4(-x + 5)$ 33) $(x+1)(x+4)$

34) $3x^2y^3(4x^3 - 5y^4 + 10x^4y)$ 35) $(x + 7)(w + 3)$ 36) $(x - 4)(x^2 + 5)$