

**Ms. Chan Algebra 2 Honors Ch. 6 Test**

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Algebra 2

Form Number 1 Name: \_\_\_\_\_

Reference: [6.4.2.62]

[1]  $-2$  \_\_\_\_\_

Reference: [6.3.1.35]

[2]  $10d^5 + d^3 - 3d + 1$  \_\_\_\_\_

Reference: [6.4.1.56]

[3]  $2(x-2)(x+2)(x^2-3)$  \_\_\_\_\_

Reference: [6.5.1.69]

[4]  $2x^3 + 2x^2 + 8x + 8 + \frac{5}{x-4}$  \_\_\_\_\_

Reference: [6.4.1.52]

[5]  $5x^4(x^2+4)(x-1)(x+1)$  \_\_\_\_\_

Reference: [6.6.1.81]

[6]  $x = 6, 3, \text{ and } 5$  \_\_\_\_\_

Reference: [6.5.1.75]

[7]  $2x^2 - 4x + 4 + \frac{4}{x+5}$  \_\_\_\_\_

Reference: [6.3.1.37]

[8]  $3x^3 - 2x + 5$  \_\_\_\_\_

Reference: [6.4.2.59]

[9]  $\sqrt{6}, -\sqrt{6}, \sqrt{7}, -\sqrt{7}$  \_\_\_\_\_

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Form Number 1 Name: \_\_\_\_\_

Reference: [6.1.1.10]

[10]  $\frac{x^2}{2y^5}$  \_\_\_\_\_

Reference: [6.2.1.18]

[11] 358 \_\_\_\_\_

Reference: [6.4.1.48]

[12]  $6x^4(3 - 5x^2)$  \_\_\_\_\_

Reference: [6.7.1.91]

[13]  $f(x) = x^3 - x^2 - 4x + 4$  \_\_\_\_\_

Reference: [6.5.1.68]

[14] [D] \_\_\_\_\_

Reference: [6.2.2.31]

Right: falls  
[15] Left: rises \_\_\_\_\_

Reference: [6.1.1.14]

[16]  $x = 5$  \_\_\_\_\_

Reference: [6.4.1.58]

[17]  $(2x - 3)(x^2 + 2)$  \_\_\_\_\_

Reference: [6.7.1.87]

[18]  $-1, 1, -\frac{1}{3}, \frac{3}{5}$  \_\_\_\_\_

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Form Number 1 Name: \_\_\_\_\_

Reference: [6.7.1.95]

[19]  $(x - 2)(x + 2)(x + 3)$

Reference: [6.5.1.65]

[20] [A] \_\_\_\_\_

Reference: [6.2.1.19]

[21] 67 \_\_\_\_\_

Reference: [6.1.1.5]

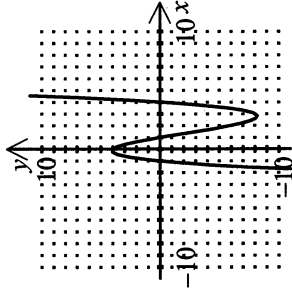
[22]  $16b^6 c^{12} d^4$

Reference: [6.5.1.71]

[23]  $5x^2 - 13 + \frac{30}{x^2} + 2$

Reference: [6.8.1.99]

x	-6	-2	0	2	6
y	-350	-18	4	-6	70



[24] \_\_\_\_\_

Reference: [6.5.1.79]

[25] 3, -3 \_\_\_\_\_

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Form Number 1 Name: \_\_\_\_\_

Reference: [6.7.2.97]

[26]  $\pm 1, \pm \sqrt{11}$  \_\_\_\_\_

Reference: [6.6.1.82]

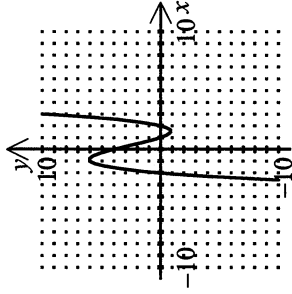
[27] [B] \_\_\_\_\_

Reference: [6.3.1.39]

[28]  $x^3 - 8x^2 + 11x + 20$  \_\_\_\_\_

Reference: [6.8.1.100a]

$(2, 0), (-2, 0), (1, 0)$



[29] \_\_\_\_\_

Reference: [6.6.1.83]

[30]  $\frac{1}{2}, \pm\sqrt{5}$  \_\_\_\_\_