

Intermediate Algebra
Chapter 2 Test

1. Find the value of each function:

$f(x) = x^2 - 4x - 2; f(3)$	$f(x) = \frac{4x-3}{x^2-5x+2}; f(-2)$
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2. Find the domain of $f(x) = \frac{4x-1}{3x-5}$

3. Graph:

$f(x) = x^3 - 2$	$f(x) = (x-2)^2 + 1$	$f(x) = x+3 $
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4. Graph and find the zero of:

$f(x) = \frac{-4}{5}x + 3$	$f(x) = 9x + 5$
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5. Solve:

$-2 < 8x + 3 \leq 19$	$1 < \frac{1}{2}x - 3 \leq 5$
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6. Solve: $5x - 7 < 23$ and $4x + 10 > 2$

7. Solve: $|11x - 1| = 21$

8. Solve: $5|x - 1| - 3 = 22$

9. Solve: $|7x + 2| > 3$

10. Solve: $|4x - 2| < 8$