

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
ALGEBRA 2 OCTOBER 2015			<ul style="list-style-type: none"> Remember that if the answer you get is different from the date... you need to try the problem again! Do not leave any question blank. If you don't know how to solve it... ask for help! 	1 Find the y-intercept of the line perpendicular to $y = -\frac{1}{5}x + 7$ through $(-1, -4)$.	2 Solve for x . $\frac{2}{5}(x - 14)$ $= 3\left(4x - \frac{48}{5}\right)$	3 Write a fraction addition word problem whose answer is 3.
4 Find the y-intercept of the line parallel to $y = \frac{2}{3}x - 8$ through $(-9, -2)$.	5 Write 5 different numbers that are irrational.	6 Simplify $3\sqrt{24}$.	7 Simplify $4\sqrt{7} + \sqrt{63}$.	8 Simplify $\frac{22}{8} + \frac{21}{4}$.	9 Simplify $\frac{6}{14} \div \frac{1}{21}$.	10 Solve for x . $\frac{1}{5}(3x - 20)$ $= -3\left(-\frac{11}{30}x + 3\right)$
11 Simplify $\frac{\sqrt{363}}{\sqrt{3}}$.	12 Simplify $\frac{6\sqrt{12}}{\sqrt{3}}$.	13 Find the slope of the line through the points $(3, 30)$ and $(1, 4)$.	14 Find the slope of the line perpendicular to the line through $(6, 6)$ and $(20, 5)$.	15 Write a fraction division word problem whose answer is 15.	16 Simplify $\sqrt{8} \cdot \sqrt{32}$.	17 Simplify $x^{12}x^5$.
18 Simplify $\frac{(x^9)^4}{x^{18}}$.	19 Simplify $(x^5)^4x^{-1}$.	20 For what values of x does $x^2 = 400$?	21 Simplify $\frac{42\sqrt{72}}{6\sqrt{8}}$.	22 Simplify $5\sqrt{88} + 4\sqrt{198}$.	23 Find the y-intercept of the line parallel to $y = -3x - 10$ through $(11, -10)$.	24 Find the y-intercept of the line perpendicular to $y = -\frac{3}{4}x + 8$ through $(-6, 16)$.
25 Write a fraction multiplication word problem whose answer is 25.	26 If $f(x) = -x^3 + 3x^2 - 15x - 24$, what is $f(-2)$?	27 Write a fraction subtraction word problem whose answer is 27.	28 For what value of x does $x^3 = 21,952$?	29 Simplify $\sqrt{7} \cdot 2\sqrt{7} + \sqrt{5} \cdot 3\sqrt{5}$.	30 Write the equation of a function where $f(2) = 30$.	31 Simplify $\frac{42}{7} \div \frac{6}{31}$.