 Solve the real-world application numerically or graphically. 1) An auto repair shop charged a customer \$369 to repair a car. The bill listed \$54 for parts and the remainder for labor. If the cost of labor is \$35 per hour, how many hours of labor did it take to repair the car? 							
	A) 9.5 hours	B) 9 hours	C) 10 hours	D) 8 hours			
Evaluate the function.							
	2) Find f(2) when $f(x) = x^2 + x^2$	4x - 1.			2)		
	A) -5	B) 11	C) -3	D) 13			
	3) Find f(0) when $f(x) = x^2 + 5x - 7$.						
	A) 0	B) -7	C) 7	D) 49			
Solve.					R		
	4) $-7x + 5 > -8x + 6$				4)		
	A) x ≤ 11	B) x > 1	C) x ≥ 11	D) x < 1			
	5) 24x - 12 > 4(5x - 2)				5)		
	A) x < 1	B) x ≤ 1	C) x > 1	D) x ≥ 1			
	6) 2x + 7(3x - 3) = 10 - 8x				₆₎ C		
	A) - <u>11</u>	B) - 1	C) 1	D) $-\frac{11}{21}$			
	15			31			
	7) 4m ² + 8m + 2 = 0				7) D		
	(A) m = $\frac{-2 \pm \sqrt{2}}{\sqrt{2}}$	B) m = $\frac{-2 \pm \sqrt{6}}{100}$	() m = $\frac{-8 \pm \sqrt{2}}{\sqrt{2}}$	D) m = $\frac{-2 \pm \sqrt{2}}{\sqrt{2}}$,		
	8	2	2	2			
	8) A vendor sells hot dogs and bags of potato chips. A customer buys 3 hot dogs and 2 bags of potato						
	chips for \$10.50. Another customer buys 4 hot dogs and 3 bags of potato chips for \$14.50. Find the						
	cost of each item. A) \$2.50 for a hot dog; \$1.75 for a bag of potato chips B) \$2.50 for a hot dog; \$1.50 for a bag of potato chips						
	C) \$2.75 for a hot dog; \$1.75 for a bag of potato chips D) \$1.50 for a hot dog; \$2.50 for a bag of potato chips						
	9) $\frac{a}{5} - \frac{1}{5} = -3$				9) B		
	a) 16	B) -14	C) -16	D) 14			
	.,	2,	0, 10	2,			
	10) $\frac{p}{4} - \frac{3p}{8} = 2$				10)		
	A) p = 16	B) p = -16	C) p = 2	D) p = -2			
	11) Jim has gotten scores of 60 and 96 on his first two tests. What score must he get on his third test to						

Jim has gotten scores of 60 and 96keep an average of 75 or better?A) at least 78B) at

A) at least 78 B) at least 69 C) at least 77 D) at least 67

Write an equation for the line in slope-intercept form. 12) Passing through (5, 2) and parallel to the line whose equation is $y = -7x + 6$.							
A) y = - 7x - 37	B) y = 7x - 37	C) $y = -\frac{1}{7}x - \frac{37}{7}$	D) y = - 7x + 37				
Factor completely.							
13) $u^2 - 3uv - 54v^2$				13)			
A) does not factor	B) (u - 6v)(u + 9v)	C) (u - 6v)(u + v)	D) (u + 6v)(u - 9v)				
Evaluate, using the order of operations. If necessary, round your answer to the nearest thousandth.							
14) $\frac{32 + 9 \cdot 9}{2}$				14) D			
$2^{\circ} 8^{\circ} - 8 \cdot 6 + -15 - 1^{\circ}$, <u> </u>			
A) $\frac{113}{42}$	B) 113	C) $\frac{113}{22}$	D) undefined				
40		88					
15) $4 \cdot 5 + 4 \cdot 8 + 9$				15) C			
A) 549	B) 612	C) 61	D) 649				
Multiply.							
16) $(2x - 5y)^2$							
A) $4x^2 + 25y^2$		B) $4x^2 - 20xy + 25y^2$					
C) $2x^2 + 25y^2$		D) $2x^2 - 20xy + 25y^2$					
Use the general strategy to factor completely.							
17) 49k ³ m + 42k ² m ² + 9km ³				17) C			
A) km(7k - 3m) ²		B) km(7k + 3m)(7k - 3m)					
C) km(7k + 3m) ²	D) does not factor						
Write a system of equations for the application and solve using the elimination method. 18) Jamil always throws loose change into a pencil holder on his desk and takes it out every two weeks. This time it is all nickels and dimes. There are 9 times as many dimes as nickels, and the value of							
the dimes is \$5.95 more than the value of the nickels. How many nickels and dimes does Jamil							
nave? Δ) 6 nickels and 54 dime	have? A) 6 nickols and 54 dimos						
C) 7 nickels and 63 dime	D) 8 nickels and 72 dimes						
Solve the equation for y.							
13) 10x + 5y = 10	\sim 10 10	o. 18 18	₋ , 18 18	19)			
A) $y = -\frac{1}{5}x + \frac{1}{5}$	B) y = 18x - 18	C) $y = \frac{1}{5}x - \frac{1}{5}$	D) $y = \frac{1}{5}x + \frac{1}{5}$				
Solve the formula for the specified v 20) $P = 2I + 2W$ for W	variable.			20) B			
	P - 2L		DVW P-L	20)			
A) $VV = P - L$	B) $VV = \frac{2}{2}$	C) VV = P - 2L	D) $VV = -2$				