MIXED TAKS PRACTICE

6. The two top-selling DVDs of 2003 grossed a combined total of $600.9 million. The top-selling DVD grossed $39.9 million more than the DVD ranked second. How much did the top-selling DVD gross? *TAKS Obj. 4*

F $240.6 million

G $280.5 million

H $320.4 million

J $561 million

7. What is an equation of the line that passes through the point (–4, 1) and has slope $\frac{2}{5}$? *TAKS Obj. 3*

A $-2x + 5y = -22$

B $-5x + 2y = -13$

C $-2x + 5y = 13$

D $5x - 2y = -22$

8. The daily high temperature is recorded every day for a month. Which statistic could be used to determine that the daily high temperature varied by 25°F during the month? *TAKS Obj. 8*

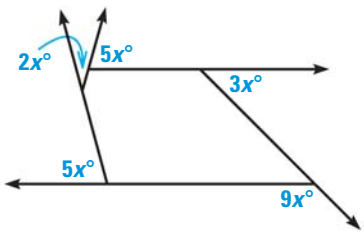
F Mean

G Median

H Mode

J Range

9. What is the value of x in the diagram? *TAKS Obj. 6*



A 15

B 22.5

C 30

D 37.5

10. A square pyramid has a volume of 36 cubic centimeters. If the height of the square pyramid is changed to twice the original height, what will be the new volume of the square pyramid? *TAKS Obj. 8*

F 18 cm^3

G 24 cm^3

H 72 cm^3

J 144 cm^3

11. What is the solution of the equation $\frac{3}{2}\left(\frac{4}{7}x - 1\right) = \frac{9}{4}$? *TAKS Obj. 2*

A $\frac{15}{28}$

B $\frac{91}{24}$

C $\frac{35}{8}$

D $\frac{35}{4}$

12. Greg's lawn care business charges $20 per lawn plus $5 per hour for mowing. Which equation best represents the relationship between the number of hours spent mowing, h, and the total charges, c? *TAKS Obj. 1*

F $c = 20 + 5$

G $c = 20 + 5h$

H $c = 20h + 5h$

J $c = 20h + 5$

13. GRIDDED ANSWER A second-run movie theater sells matinee tickets for $4 on weekdays before 6:00 P.M. The theater sells regular tickets for $6 on weekends and on weekdays after 6:00 P.M. In one week, the theater earns $6000 from ticket sales. The theater sold 890 more regular tickets than matinee tickets. How many matinee tickets were sold? *TAKS Obj. 4*

Record your answer and fill in the bubbles on your answer document. Be sure to use the correct place value.