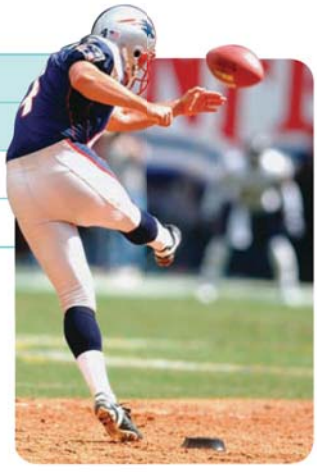
22. TAKS REASONING The table shows the 2003 regular season field goal statistics for kicker Adam Vinatieri.



	Point difference at end of game		
	0–7 points	8–14 points	≥ 15 points
Field goals attempted	20	11	3
Field goals made	16	7	2

a. During the 2003 regular season, what was the probability that Adam Vinatieri would make an attempted field goal, regardless of the point difference?

b. Find the probabilities that Vinatieri made an attempted field goal when the point difference at the end of the game was 0–7 points, 8–14 points, and at least 15 points.

c. During what kinds of games was Adam Vinatieri most likely to make attempted field goals? *Justify* your answer.

Animated Algebra classzone.com

23. CHALLENGE The table shows the results of Congressional elections that involved incumbent candidates (representatives or senators who ran for re-election) during the period 1980–2000.

	Incumbent representatives		Incumbent senators	
	Ran	Re-elected	Ran	Re-elected
Presidential election year	2373	2235	163	130
Midterm election year	1984	1873	145	130

a. Did a representative or a senator have a better chance of being re-elected? *Justify* your answer using the data in the table.

b. Did a member of Congress have a better chance of being re-elected during a presidential election year than during a midterm election year? *Justify* your answer.

MIXED REVIEW FOR TAKS

TAKS PRACTICE at classzone.com

REVIEW
TAKS Preparation p. 198; TAKS Workbook

24. TAKS PRACTICE A bag of jelly beans contains 23% green, 36% blue, 22% red, and 19% yellow jelly beans. Carl put 350 of the mixed jelly beans in a bowl. Which proportion can be used to find r, the total number of red jelly beans in the bowl? *TAKS Obj. 9*

Ⓐ $\frac{350}{r} = \frac{22}{100}$

Ⓑ $\frac{22}{100} = \frac{r}{350}$

Ⓒ $\frac{100}{350} = \frac{r}{22}$

Ⓓ $\frac{22}{100} = \frac{350}{r}$