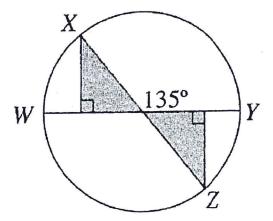
- 4. A bakery uses a special flour mixture that contains corn, wheat, and rye in the ratio of 3:5:2. If a bag of the mixture contains 5 pounds of rye, how many pounds of wheat does it contain?
 - (A) 2
 - (B) 5
 - (C) 7.5
 - (D) 10
 - (E) 12.5
- 5. If \overline{WY} and \overline{XZ} are diameters with lengths of 12, what is the area of the shaded region?



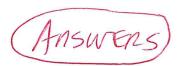
- (B) 30
- (C) 18
- (D) 12
- (E) 9



- 8. If c is positive, what percent of 3c is 9?
- (A) $\frac{c}{100}\%$ (B) $\frac{c}{3}\%$ (C) $\frac{9}{c}\%$ (D) 3% (E) $\frac{300}{c}\%$

$$D(-6,3)$$
 $E(-1,-1)$ $F(-1,3)$

- 9. The coordinates of points D, E, and F in the xy-plane are given above. What is the perimeter of ΔDEF ?
 - (A) 12
 - (B) 20
 - (C) $9 + \sqrt{17}$ (approximately 13.12)
 - (D) $9 + \sqrt{41}$ (approximately 15.40)
 - (E) $\sqrt{150}$ (approximately 12.25)



Y

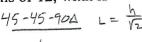
- 4. A bakery uses a special flour mixture that contains corn, wheat, and rye in the ratio of 3:5:2. If a bag of the mixture contains 5 pounds of rye, how many pounds of wheat does it contain?
 - corn wheat rye

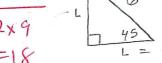
- (A) 2
- 5 (B)
- (C) 7.5
- (D) 10
- (E) 12.5

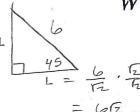
- wheat = $\frac{5}{2} = \frac{x}{5}$ x = 12.5
- 5. If \overline{WY} and \overline{XZ} are diameters with lengths of 12, what is the area of the shaded region?

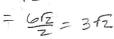






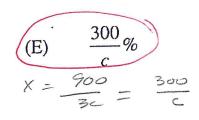






 \boldsymbol{X}

- 8. If c is positive, what percent of 3c is 9?
- (A) $\frac{c}{100}\%$ (B) $\frac{c}{3}\%$ (C) $\frac{9}{c}\%$ (D) 3% (E) $\frac{300}{c}\%$ $\frac{9}{c}\%$ $\frac{9}{100} = \frac{15}{95}$ $\frac{100}{100} = \frac{9}{3c}$



- E(-1,-1) F(-1,3)D(-6,3)
- 9. The coordinates of points D, E, and F in the xy-plane are given above. What is the perimeter of ΔDEF ?
 - (A) 12
 - (B) 20
 - (C) $9 + \sqrt{17}$ (approximately 13.12)
 - (D) $9 + \sqrt{41}$ (approximately 15.40)
 - $\sqrt{150}$ (approximately 12.25)

