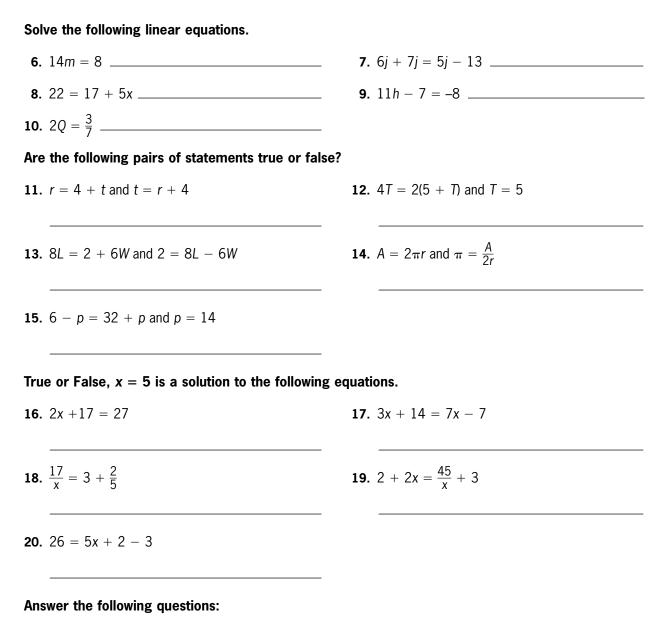
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Module Test	4)	Module 3
L. List the property of equality used in a	each step to solve the following proble	m.
$7m + 6 = -5m + \frac{16}{2}$	Given	
a. $14m + 12 = -10m + 16$		
b. $24m + 12 = 16$		
c. $24m = 4$		
d. $m = \frac{4}{24}$ or $\frac{1}{6}$		
2. Solve the following equations by insp	ection.	
a. 4x = 28	b. <i>b</i> − 19 = 23	
c. $\frac{k}{2} = 14$	d. <i>M</i> + 12 = 55	
3. Rewrite the following equations for th		
a. $g = h + 3k$ for k	b. 3 <i>Rj</i> = <i>k</i> + 28 for <i>j</i>	
c. V = $\frac{1}{3}\pi$ r for r	d. 6x + 7 = 8y for x	
 Determine if the following equations equations. Solve the equations to find 	• • • •	
a. $3m + 4m = -7m + 14$	b. 4 <i>j</i> = 88	
c. $6Q = 2Q + 8$	d. $3R + R - 32 = 21 + 7R$	
5. List the property of equality used be	ow.	
a. 16 = 16	b. If $T = B$ and $B = C$, then $T =$	С.
c. If $9 - y^2 = 3x$, then $3x = 9 - y^2$.	d. If $9 = 4 + 5$, then $\frac{9}{6} = \frac{4 + 5}{6}$.	

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- **16.** Explain why it is sometimes useful to rewrite the following formula: P = 2l + 2w
- **17.** Give an example of the Transitive Property of Equality:

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Module 3

Test A