

$$\sin A =$$

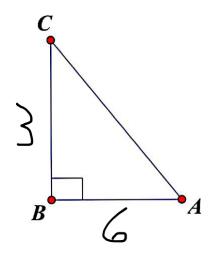
$$\cos A =$$

$$\tan A =$$

$$\csc A =$$

$$\sec A =$$

$$\cot A =$$



$$\sin A =$$

$$\cos A =$$

$$tan A =$$

$$\csc A =$$

$$\int \sec A =$$

$$\cot A =$$



a. tan 24°

b. sin 30°

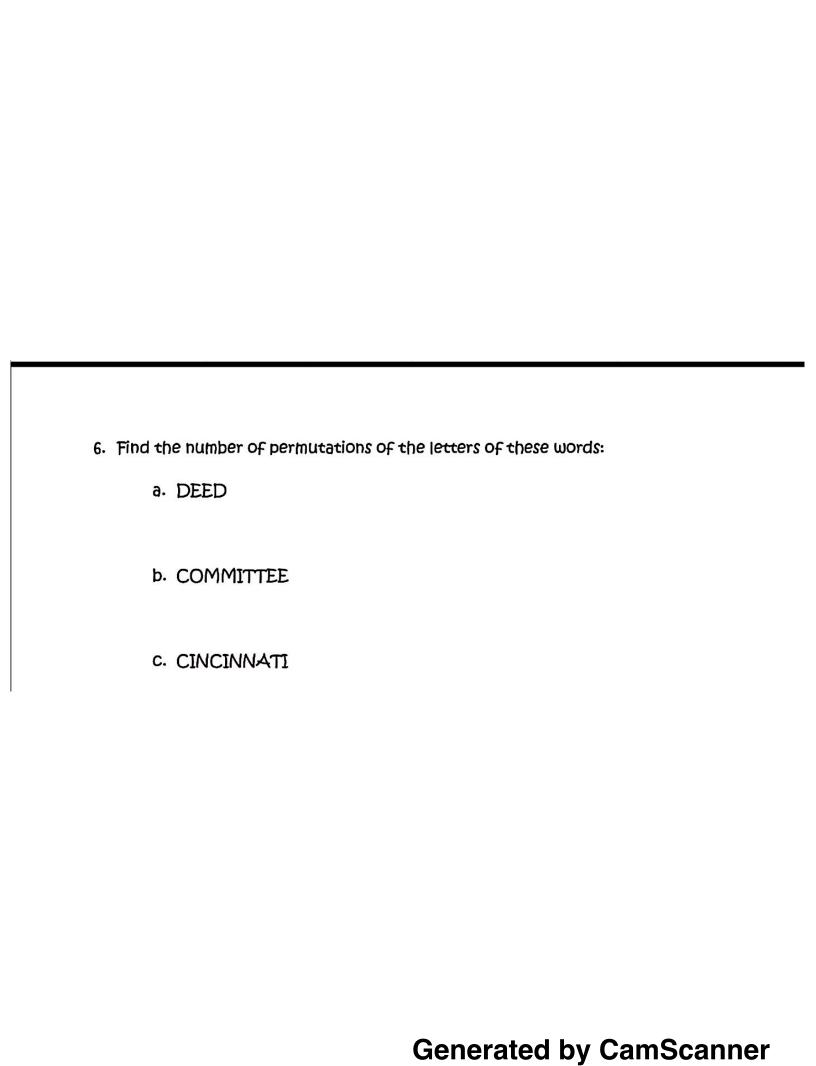
c. cos 55°

d. sec 72°

e. cot 52°

f. csc 40°

	7.						n a special compute s of teachers could		course which requires two
		a. 7	'8	b.	169	c.	39	d.	66
	8.	You of the 85		d ar	e taking 3 on vaca	tion.	In how many ways	s car	you choose 3 cassettes from
		a. 1	68	b.	56	c.	40,320	d.	24
· · · · · · · · · · · · · · · · · · ·	9.	Evalu a. 2	ate $_{7}P_{2}$ .	b.	42	c.	5,040	d.	7
	10.	Evalu a. 1	ate <sub>4</sub> C <sub>3</sub> .	b.	24	c.	4	d.	6



12.	In how many ways can the 4 call letters of a radio station be arranged if the first letter must be W or K and no letters repeat?	18.	The state of Ohio has a Super Lotto drawing twice a week in which 6 numbers (1 through 46) are drawn at random. How many ways are 6 numbers drawn?
	Answer:		
13.	There are 5 different routes that a commuter can take from her home to the office. In how many ways can she make a round trip if she uses different routes for coming and going?	19.	A box contains 12 black and green marbles.  A box contains 12 black and green marbles.  A box contains 12 black and green marbles.  A box contains 12 black and green marbles be said and green marbles.
	Answer:		
14.	How many ways can you select a volleyball team (6 players) from a group of 8 people?		Answer: Hint: This is a principle at a same time.
	Answer:		
15.	How many 4-letter "words" can you make from a list of 12 letters if you use each letter only once in each word?		
	Answer:		
16.	How many ways can eight different cans of soup be displayed in a row on a shelf?		
	Answer:		
17.	At the 1992 Olympic Games, eight women qualified for the women's 400-meter finals in track and field. Only three women can win medals. How many different ways could the top three medal winners occur?		
	Answer:		