

LECCIÓN 8; SEMANA 17.

Utilice la forma factorial para encontrar el resultado de los siguientes ejercicios.

a. $P(7;3) = 7! \div (7-3)!$
 $7! \div 4! = \underline{210} //$

$$\frac{7!}{4!} = \frac{7 \times 6 \times 5 \times 4!}{4!} = 210$$

b. $P(6;6) = 6! \div (6-6)!$
 $6! \div 0! = \underline{720} //$

$$\frac{6!}{0!} = \frac{6 \times 5 \times 4 \times 3 \times 2 \times 1!}{0!} = 720$$

$$c) P(5,2) = 5! \div (5-2)! =$$

$$5! \div 3! = \underline{20} //$$

$$\frac{5!}{3!} = \frac{5 \times 4 \times 3!}{3!} = 20$$

$$d) P(9,5) = 9! \div (9-5)! =$$

$$9! \div 4! = 15,120$$

$$\frac{9!}{4!} = \frac{9 \times 8 \times 7 \times 6 \times 5 \times 4!}{4!} = \underline{15,120} //$$

$$e) P(8,6) = 8! \div (8-6)! =$$

$$8! \div 2! = \underline{20,160} //$$

$$\frac{8!}{2!} = \frac{8 \times 7 \times 6 \times 5 \times 4 \times 3 \times 2!}{2!} = 20,160$$