Permutation

Total points = 40

Problem Set

1.
$$n = 6$$
 \checkmark
 $r = 4$ \checkmark

$$P(n,r) = \frac{n!}{(n-r)!}$$
 \checkmark

$$= \frac{6!}{2!}$$
 \checkmark

$$= \frac{6!}{2!}$$
 \checkmark

$$= \frac{6!}{2!}$$
 \checkmark

$$= \frac{(6)(5)(4)(3)(2!)}{2!}$$
 \checkmark

$$= \frac{360}{2!}$$
 \checkmark

$$= \frac{360}{2!}$$
 \checkmark

$$= \frac{n!}{(n-r)!}$$
 \checkmark

$$= \frac{360}{2!}$$
 \checkmark

$$= \frac{n!}{(n-r)!}$$
 \checkmark

$$= \frac{(10)(9)(8)(7)(6)(5)(4!)}{4!}$$
 \checkmark

$$= \frac{(10)(9)(8)(7)(6!)}{(10-4)!}$$
 \checkmark

$$= \frac{10!}{6!}$$
 \checkmark

$$= \frac{10!}{6$$

Total points = 40

15!

Problem Set

1.
$$n = 6$$
 \(\cdot \cdot r = 4 \ldot \cdot \)

 $P(n,r) = \frac{n!}{(n-r)!} \(\cdot \)

 $P(6,4) = \frac{6!}{(6-4)!} \(\cdot \)

 $= \frac{6!}{2!} \(\cdot \)

 $= \frac{6!}{2!} \(-4)! \]$
 $= \frac{6!}{2!} \(-4)! \]$
 $= \frac{6!}{2!} \(-4)! \]$
 $= \frac{6!}{2!} \(-4)! \]$

4. $n = 8 \]$
 $= \frac{32,760} \] \(\text{ways} \]$

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 $= 32,760 \] \(\text{ways} \]$

4. $n = 8 \]$
 $= 32,760 \] \(\text{ways} \]$
 $= \frac{n!}{(n-r)!} \]$
 $= \frac{n!}{(n-r)!} \]$
 $= \frac{n!}{(n-r)!} \]$
 $= \frac{8!}{5!} \]$
 $= \frac{8!}{(8-3)!} \]$
 $= \frac{8!}{5!} \]$
 $= \frac{(8)(7)(6)(5!)}{5!} \]$
 $= \frac{336} \] \(\text{ways} \]$
 $= \frac{10!}{(n-r)!} \]$
 $= \frac{10!}{(10-4)!} \]$
 $= \frac{10!}{6!} \]$
 $= \frac{10!}{(10)(9)(8)(7)(6!)} \]$
 $= \frac{10!}{6!} \]$
 $= \frac{(10)(9)(8)(7)(6!)}{(10-4)!} \]$
 $= \frac{(10)(9)(8)(7)(6!)}{6!} \]$
 $= \frac{(10)(9)(8)(7)(6!)}{6!} \]$
 $= \frac{(10)(9)(8)(7)(6!)}{(10-4)!} \]$$$$

Permutation

Total points = 40

Problem Set

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Problem Set

1.
$$n = 6$$
 \(r = 4 \)

 $P(n,r) = \frac{n!}{(n-r)!}$ \(= \frac{15!}{11!} \)

 $P(6,4) = \frac{6!}{(6-4)!}$ \(= \frac{6!}{(6-4)!} \)

 $= \frac{6!}{2!}$ \(= \frac{10}{(6-4)!} \)

 $= \frac{6!}{2!}$ \(= \frac{11!}{(6-4)!} \)

 $= \frac{6!}{2!}$ \(= \frac{10!}{(6-4)!} \)

 $= \frac{360}{2!}$ \(\frac{1}{2} \)

 $= \frac{10!}{(n-r)!}$ \(= \frac{10!}{(n-r)!} \)

 $= \frac{10!}{(n-r)!}$ \(= \frac{10!}{(10-6)!} \)

 $= \frac{10!}{4!}$ \(= \frac{10!}{(10-6)!} \)

 $= \frac{10!}{4!}$ \(= \frac{100}{(10-6)!} \)

 $= \frac{10!}{(n-r)!}$ \(= \frac{10!}{(n-r)!} \)

 $= \frac{10!}{(n-r)!}$ \(= \frac{10!}{(10-4)!} \)

 $= \frac{10!}{6!}$ \(= \frac{10!}{(10-4)!} \)

 $= \frac{10!}{6!}$ \(= \frac{10!}{(10)(9)(8)(7)(6!)} \)

 $= \frac{10!}{6!}$ \(= \frac{10!}{5!} \)

 $= \frac{10!}{5!}$ \(\frac{10!}{6!} \)

 $= \frac{10!}{5!}$ \(\frac{10!}{10 - 4!} \)

 $= \frac{10!}{5!}$ \(\frac{10!}{10 - 4!} \)

 $= \frac{10!}{5!}$ \(\frac{10!}{10 - 4!} \)

 $= \frac{10!}{10!}$ \(\frac{10!}{10 - 4!} \)

 $= \frac{10!}{10!}$ \(\frac{10!}{10 - 4!} \)

 $= \frac{10!}{10!}$ \(\frac{10!}{10 -