$$P(s) = 0.30$$

a) =
$$P(T \cap S) = 0.08 = 0.2667$$

 $P(S) = 0.03$

$$\frac{1}{1} = \frac{p(T \cap S)}{p(S)} = \frac{p(T) - p(T \cap S)}{1 - p(S)} = \frac{0.2 - 0.08}{1 - 0.2} = \frac{0.12}{0.7} = \frac{0.1714}{0.7}$$

$$O = P((T \cap S) \cap (T \cup S)) = P(T \cap S) = 0.08 = 0.08$$

$$P(T \cup S) = P(T \cup S) = 0.08 = 0.08$$

$$P(T \cup S) = 0.08 = 0.08$$

$$P(T \cup S) = 0.08$$

$$P(T \cup S) = 0.08$$

$$= 0.03 = 0.1904$$

$$= 0.42$$

01.2

$$P(H \cap \overline{S}) = P(H) - P(H \cap S)$$

= 0.8 - $P(H) + P(S) - P(H \cap S)$

$$= 0.8 - 117 + 115 - 11405$$

$$\frac{P(s) = 0.30}{P(Tns) = 0.03}$$

$$(81.4)$$
 a) $P(A) = 5$
 36

$$P(A \cap B) = \frac{1}{36}$$

$$P(A) P(B) = \frac{5}{36} \times \frac{1}{266} = \frac{5}{216} = \frac{5}{000} = \frac{100}{100}$$

(J

$$\rho (A \cap B) = \frac{1}{36}$$

$$O(A) O(B) \cdot B \times 1 =$$

$$P(A) P(B) = \frac{6}{36} \times \frac{1}{6} = \frac{1}{36}$$

01.5) P(TX)=

ProL. to choose TX = 10-1.601.

Prot to choose NT- 10.1.

Prot to choose AK = 30%.

Prot of Jihr, oil in Ak = 100 2001.

Prol of finding oil in NT = 16%.

1) Prot of finding oil = P(oil ITX) + P(oil INT) + P(oil IAK)

= (301/x601) + (101/x101) + (30/x20x)

=0.18 + 0.01 + 0.06

2) $P(T \times 1011) = P(T \times 1011) = 0.18 = 0.72$ P(oil) = 0.25

(91.6)a) = 1490 = 0.6769

 $0 = \frac{325}{2201} = \frac{6.1476}{}$

0 = 203 = 0.2855

P(s) = 711 = 0.3230

2201

P(SOF) = 203 = 0.6266

P(s) P(F) = P(sn=)

& NOT INDEPENDENT

$$e) = 6 = 0.0084$$

Prod of adult artin first clay =
$$197 = 0.0895 = P(A \cap F)$$

2201

Prod of dild and in find clay = $6 = 0.0027 = P(C \cap F)$